| Inc | lex of | Claims |  |
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| App | licat | ion/C | ontro | l No. |
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10/632,530 Examiner

MATTOS ET AL.

Applicant(s)/Patent under Reexamination

Art Unit

Ted M. Wang

2611

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| Cla          | im                               | Date             |  |  |            |  |  |          |  |                 |
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|              |                                  |                  |  |  |            | Jack   | _  | -        |  | $\dashv$        |
| Final        | Original                         | 6/13/07          |  |  |            |  |  |          |  |                 |
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|              | 2                                | 77               |  | _  |            |  |  |          |  |                 |
|              | 1<br>2<br>3                      | 1                |  |  |            |  |  |          |  |                 |
|              | 5                                | 0                |  |  |            |  |  |          |  |                 |
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|              | 6<br>7                           | 1                |  |  |            |  |  |          | _  |                 |
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|              | 8                                | 1                |  |  |            | _  |  |          |  |                 |
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|              | 11                               | 7 7 7            | _  | $\vdash$   | -          | <del> </del>                                     |  |          | -  | $\vdash$        |
| <del> </del> | 13                               | J                | $\vdash$   | $\vdash$   | -          | $\vdash$   | -  |          | <del> </del>                                     | H               |
|              | 12<br>13<br>14<br>15<br>16<br>17 | 1                | -  | ├─   | $\vdash$   | $\vdash$   | H  |          | H  | H               |
|              | 15                               | 0                | $\vdash$   | <del> </del>                                     | ┢          | $\vdash$   | <del> </del>                                     |          | $\vdash$   | Н               |
|              | 16                               | \<br>\<br>\<br>0 | 一  | <del>                                     </del> | Н          | $\vdash$   |  | Н        |  | H               |
| <b></b>      | 17                               | 1                |  |  |            | $\vdash$   |  |          | $\vdash$   | П               |
|              | 18                               | 0                |  |  | $\vdash$   | $\Box$   | $\vdash$   |          |  |                 |
|              | 18<br>19                         | 1                |  |  |            | 1  |  |          | Γ  |                 |
|              | 20                               | 1                |  |  |            |  |  |          |  |                 |
|              | 21                               |                  |  |  |            |  |  |          |  |                 |
| L            | 22                               |                  |  |  |            |  |  |          |  | Ш               |
|              | 20<br>21<br>22<br>23<br>24<br>25 | _                |  |  | Ц.         | L  | <u> </u>   |          | L  | Щ               |
| ļ            | 24                               | ļ                | _  | <u> </u>   | ļ          | <u> </u>   | _  |          | _  | Ш               |
| <u> </u>     | 25                               | Ŀ                | <u> </u>   | <u> </u>   | -          | <u> </u>   | _  | _        | _  | Н               |
| <u> </u>     | 26                               | -                |  | -  |            | ├  |  | ┝        |  | Н               |
| <u> </u>     | 26<br>27<br>28                   | ┝                | ⊢  | -  | ⊢          | ├  | ├  |          | -  | Н               |
| <u> </u>     | 20                               | ├                | ⊢  |  | ┢          | ┝  | $\vdash$   | ⊢        | -  | $\vdash$        |
|              | 29<br>30                         | ╁                | ⊢  | ⊢  | $\vdash$   | $\vdash$   |  | $\vdash$ | ╁  | Н               |
| <b> </b>     | 31                               | H                | H  |  | -          | $\vdash$   | $\vdash$   | 一        | <del>                                     </del> | Н               |
| $\vdash$     | 32                               | $\vdash$         | -  | ┢  | 1          | <del>                                     </del> | $\vdash$   | <b>-</b> |  | Н               |
|              | 32<br>33                         |                  | Г  | Π  |            |  |  |          |  | П               |
|              | 34                               |                  | Π  | Τ  |            | 1  | Π  |          |  |                 |
|              | 35<br>36                         |                  |  |  |            |  |  | $\Box$   |  |                 |
|              | 36                               |                  |  |  |            |  |  |          |  |                 |
| L            | 37<br>38                         | <u> </u>         |  | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | <u>L</u> . | Ļ  | _  | <u>_</u> | L_   | Ш               |
| <u> </u>     | 38                               | <u> </u>         | _  | <u> </u>   | -          | <u> </u>   | L_   | <u> </u> | <b> </b>   | Ш               |
| <u> </u>     | 39                               | <b>!</b>         | <b> </b>   | <u> </u>   | <u> </u>   | <del> </del>                                     | <u> </u>   | <u> </u> | <del> </del>                                     | Щ               |
| <u> </u>     | 40                               | -                | $\vdash$   |  | ├-         | ₩  | $\vdash$   | ├-       | ├-   | $\vdash$        |
| $\vdash$     | 41                               | $\vdash$         | -  | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | <del> </del>                                     | Н               |
| $\vdash$     | 42                               | $\vdash$         | +-   | $\vdash$   | $\vdash$   | ⊢  | ├  | $\vdash$ | -  | $\vdash$        |
|              | 43                               | H                | ⊢  | ╁  | ╁          | -  | 1  | -        | -  | ┝┤              |
| $\vdash$     | 45                               | ╆                | $\vdash$   | +-   | ⊢          | $\vdash$   | <del>                                     </del> | ╁        | ┢  | Н               |
|              | 46                               | 1                | <del>                                     </del> | H  | H          | $\vdash$   | t  | $\vdash$ | $t^{-}$  | Н               |
|              | 47                               | t                | $\vdash$   | T  | $\vdash$   | $t^-$  | $t^-$  | 1        | Ħ  | H               |
|              | 48                               | Т                | Т  | Т  | T          | T  | T  | T        | T  | $\vdash \vdash$ |
|              | 49                               | 1                | Г  | Г  | Ť          | T  | Ť  | Π        | Γ  | П               |
|              | 50                               | 1                |  | П  | 厂          | 1  | Π  | Π        |  |                 |
|              |                                  |                  | _  | •  | -          | _  |  |          |  |                 |

| Cla      | im                               | -  |          |              | ַ        | Date         | <del>,</del> –                                   |          |  |                 |
|----------|----------------------------------|--|----------|--------------|----------|--------------|--|----------|--|-----------------|
|          |                                  |  |          |              |          |              |  |          |  |                 |
| ā        | Original                         |  |          |              |          |              |  |          |  |                 |
| Final    | rig                              |  |          |              |          |              |  |          |  |                 |
| _        | 0                                |  |          |              |          |              |  |          |  |                 |
|          | 51                               |  |          |              |          | H            | $\neg$   |          | _  | $\vdash$        |
|          | 51<br>52<br>53<br>54<br>55       |  |          | $\vdash$     | _        | $\vdash$     |  | _        | -  |                 |
| -        | 53                               |  |          |              | -        | -            | -  | _        |  | $\vdash$        |
| <u> </u> | 54                               |  | _        | -            | _        | $\vdash$     |  |          |  | Н               |
|          | 55                               | Н  |          | $\vdash$     | $\vdash$ |              | -  |          |  | $\vdash$        |
|          | 56                               | H  |          |              | Н        |              |  |          | -  | H               |
|          | 57                               |  |          | -            | $\vdash$ |              | -  | _        | ┝一   | Н               |
| <b>-</b> | 58                               | $\vdash$   |          | _            | -        | _            | _  |          | $\vdash$   | Н               |
| <u> </u> | 59                               | -  |          | _            |          |              |  |          |  | H               |
|          | 60                               | $\vdash$   | -        | $\vdash$     | ├─       | -            | -  | _        |  | $\vdash$        |
|          | 61                               |  |          |              | -        | -            |  |          | -  | $\vdash$        |
| <u> </u> | 62                               | $\vdash$   | -        | <del> </del> | ├-       | $\vdash$     | $\vdash$   |          | $\vdash$   | $\vdash$        |
| <u> </u> | 62<br>63                         | -  | $\vdash$ | ├            | -        | ├            |  |          | $\vdash$   | $\vdash \vdash$ |
| <u></u>  | 64                               | -  | $\vdash$ | -            | -        | $\vdash$     | $\vdash$   | <u> </u> | -  | Н               |
| <u> </u> | 65                               |  | <u> </u> | -            | _        | 1            | H  | -        | -  | $\vdash$        |
|          | 65<br>66                         | ├—   | <u> </u> | 1            | $\vdash$ | $\vdash$     | $\vdash$   | -        |  | $\vdash\vdash$  |
| <u> </u> | 67                               | $\vdash$   | $\vdash$ | 1—           | -        | -            | ├  | ├-       | -  | Н               |
|          | 67                               | -  | <u> </u> | ├-           | -        | -            | <u> </u>   | H        | -  | Н               |
| <u> </u> | 68<br>69                         | H  | ┝        | -            | ├—       |              | ├-   | -        | -  | Н               |
|          | 70                               | -  | -        | -            | $\vdash$ | -            | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$        |
| <u> </u> | 70                               | ├  |          | ├            | H        | -            | $\vdash$   | ⊢        | ├  | Н               |
|          | 71                               | -  |          | }            | ⊢        | -            | ⊢  | ⊢        | ├  |                 |
|          | 72                               | ┢  | _        | ├-           |          | <del> </del> | -  | ┢─       | ┢  | Н               |
| -        | 74                               | ┢  | ├╌       | ├            |          | ├-           | $\vdash$   | $\vdash$ | ├  | Н               |
|          | 70<br>71<br>72<br>73<br>74<br>75 | ├-   |          | ├            |          | ├            | -  | $\vdash$ | $\vdash$   | Н               |
|          | 76                               | ├  | -        | $\vdash$     | ╁        | ╁            | ┢  | ┝        | -  | Н               |
| -        | 76<br>77                         |  | -        | $\vdash$     |          | $\vdash$     |  | $\vdash$ | $\vdash$   | $\vdash$        |
| -        | 78                               | ┢  | ├        | ┢            | -        | $\vdash$     | -  | $\vdash$ | ┢  |                 |
| -        | 79                               | $\vdash$   | ┢        | $\vdash$     | ╁        | ╁            | -  | ┢        | ┢  | $\vdash$        |
| $\vdash$ | 80                               | <del> </del>                                     | ┢╌       | $\vdash$     | 1        | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$        |
| $\vdash$ | 81                               | $\vdash$   | $\vdash$ | $\vdash$     | ╁        | $\vdash$     | -  |          | T  | $\vdash$        |
| <b>—</b> | 82                               | <del>                                     </del> | -        | ├            | H        |              |  |          | <del>                                     </del> |                 |
| <b>—</b> | 82<br>83                         | <del>                                     </del> | H        | $t^-$        | H        | $\vdash$     |  | i i      | t  |                 |
| $\vdash$ | 84                               | <del> </del>                                     | H        | T            | t        | t            | <del>                                     </del> | †        | Т  |                 |
|          | 85                               | t  | 1        | 1            | T        | <u> </u>     | T  |          | Т  |                 |
|          | 86                               | T  | Т        | Т            | T        |              |  | Г        |  | $\vdash$        |
|          | 87                               | <del>                                     </del> | 1        | t            | t        | 1            |  | Ħ        | Т  | $\Box$          |
|          | 88                               | t  | T        |              | T        | T            | <del>                                     </del> | Т        | Т  | Г               |
|          | 89                               |  | Τ        | T            | 1        | T            | Ι  |          | T  | Г               |
|          | 90                               | T  | T        | Г            |          | T            |  |          | T  | Π               |
|          | 91                               | Г  | Т        | Τ            | $\Box$   | T            | 1  |          | Γ  |                 |
|          | 92                               | $\sqcap$   | П        | T            | 1        | Τ            | 1  | Γ        | Т  |                 |
|          | 93                               | Γ  | 1        | Π            | Ī        | 1            | 1  | Ī        | Π  |                 |
|          | 94                               | 1  | Τ        | Т            | Π        | T            | Π  | Г        | 1  | T               |
|          | 95                               | 1  | 1        | П            |          | $\top$       | 1  | Γ        | T  | Π               |
|          | 96                               | П  | Π        |              |          | 1            | Π  |          |  | Г               |
|          | 97                               | Т  |          | I            | П        | Π            | Π  | Г        | 1  |                 |
|          | 98                               |  |          |              |          |              |  |          |  |                 |
|          | 99                               |  |          |              |          |              |  |          |  |                 |
|          | 100                              |  |          | $\Box$       |          |              |  |          |  |                 |
|          | -                                | _  | _        |              | •        |              | -  | _        | _  | -               |

| Cli          | aim               | Date   |              |          |          |          |  |              | $\neg$       |                |
|--------------|-------------------|--|--------------|----------|----------|----------|--|--------------|--------------|----------------|
| - 1          |                   |  |              |          |          |          |  |              | $\neg$       | $\dashv$       |
| Final        | Original          |  |              |          |          |          |  |              |              |                |
|              | 101               |  |              |          |          |          |  | _            |              | =              |
|              | 102               |  | _            | _        | _        | _        |  | _            |              |                |
|              | 103<br>104        | $\dashv$   |              | $\dashv$ | $\dashv$ | -        |  | $\dashv$     |              |                |
|              | 104               | $\dashv$   | $\dashv$     | {        |          | $\dashv$ | ٠  |              | -            | _              |
| ٠,           | 105<br>106        | $\dashv$   | $\dashv$     | $\dashv$ |          | $\vdash$ |  | $\exists$    | $\dashv$     | $\dashv$       |
|              | 107               |  | $\dashv$     |          | -        |          |  |              | $\neg$       | $\dashv$       |
|              | 108               |  |              | 一        |          |          |  |              |              |                |
|              | 109               |  |              |          |          |          |  |              |              |                |
|              | 110               |  |              |          |          |          |  |              |              |                |
|              | 111               |  | _            | _        |          |          |  |              |              |                |
|              | 112               |  |              | _        |          |          | _  |              |              |                |
|              | 113               |  | _            |          |          |          |  |              |              | $\vdash$       |
|              | 113<br>114<br>115 | -  |              |          | -        |          | _  |              |              | $\dashv$       |
|              | 116               | -  | _            | _        |          |          | $\vdash$   |              |              | $\dashv$       |
|              | 116<br>117<br>118 | Н  | -            |          |          |          | -  |              | -            | -              |
|              | 118               | Н  |              |          |          | _        | -  |              |              |                |
|              | 119               | П  |              |          |          |          |  | Т            |              |                |
| _            | 119<br>120        |  |              |          |          |          |  |              |              |                |
|              | 121               |  |              |          |          |          | •  |              |              |                |
|              | 122<br>123        |  |              |          |          |          |  |              |              |                |
|              | 123               |  |              |          |          |          |  |              |              |                |
|              | 124               | Ш  | _            | _        |          |          | -  |              | _            | $\Box$         |
|              | 124<br>125<br>126 |  |              |          |          | H        |  | ├            | <del> </del> | $\vdash\dashv$ |
|              | 127               |  |              | _        |          | $\vdash$ | -  |              | -            | Н              |
|              | 127<br>128<br>129 |  |              |          |          | $\vdash$ |  | $\vdash$     | -            | $\vdash$       |
|              | 129               |  |              |          |          | ┢        | H  |              |              | H              |
|              | 130               |  |              |          |          | Г        | <del>                                     </del> |              |              | П              |
|              | 130<br>131        |  |              |          |          |          |  |              |              |                |
|              | 132               |  |              |          |          |          |  |              |              |                |
|              | 133<br>134        |  |              |          |          |          | L  | <u> </u>     |              |                |
|              | 134               | 1  | نـــا        |          | L_       | $\vdash$ | L  | _            | lacksquare   | $\sqcup$       |
|              | 135               | <u> </u>   | _            | <u> </u> |          | <u> </u> | $\vdash$   | <u> </u>     | ├-           |                |
| <u> </u>     | 136<br>137        | _  | _            | _        |          | -        | <u> </u>   | <u> </u>     |              | Н              |
|              | 138               | H  | _            |          | _        | -        | ├─   | H            | ┢            | Н              |
|              | 139               |  | <del> </del> | H        | _        | H        | ┢  | $\vdash$     | -            | Н              |
| $\vdash$     | 140               | ऻऻ   | <u> </u>     | Н        | $\vdash$ |          |  | H            | ┢            | m              |
|              | 141               | П  | Г            |          | Т        | <u> </u> | Τ  | $\vdash$     | $\vdash$     | П              |
|              | 142               |  |              |          |          |          |  |              |              |                |
|              | 143               |  |              |          |          |          |  |              |              |                |
| L            | 144               | $ldsymbol{oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ |              |          | L        |          | L  | _            |              | Ш              |
| ļ            | 145               |  |              | <u> </u> | _        | <u> </u> | <u> </u>   | $\vdash$     | _            | Ш              |
| <u> </u>     | 146               | <u> </u>   | $\vdash$     | $\vdash$ | $\vdash$ | ⊢        | ├-   | ├-           | -            | Н              |
| <u> </u>     | 147               | <del> </del>                                       | $\vdash$     | $\vdash$ | -        | ⊢        | -  | ⊢            | $\vdash$     | $\vdash$       |
| <del> </del> | 148               | -  | -            | -        | $\vdash$ | $\vdash$ | $\vdash$   | <del> </del> | $\vdash$     | $\vdash$       |
| $\vdash$     | 150               | <del>                                     </del>   | $\vdash$     | -        | $\vdash$ | ┢        | $\vdash$   | $\vdash$     | 1            | $\vdash$       |
|              | 1 100             |  | Ц            | Ļ        |          | <u></u>  |  | _            |              |                |